

# Indiana Patient Registry Training

Diagnosis

Information regarding the patient's diagnosis (ICD-9 codes and AIS scores) is captured on this tab.

# Diagnosis Screen

Facilities Data Exchange Report Writer More ▾ Welcome, Katherine Gatz Logout 0

**IMAGETREND**  
PATIENT REGISTRY

ImageTrend Facility

Dashboard Incidents Staff Users Setup

Demographics Injury Pre-Hospital ED / Acute Care Initial Assessment **Diagnoses** Comorbidity Procedures Complications Outcome Information

▼ Edit Incident » Indiana Trauma Form » IT-130926-205 [Mark As Completed](#)

Validity: 99%  
Status: In Progress  
Lock: Unlocked ▾  
Import Status: Typed In  
Entered: 09/26/13 by Katie Gatz

Trauma Registry #: IT-130926-205  
Patient: Smith, JoBeth L  
Medical Record Number: test  
NTR Inclusion: Yes  
Updated: 10/25/13 by Katherine Gatz

**Diagnosis List**

ICD-9 Code	Diagnosis Name	AIS Code	AIS Description	AIS Version	ISS Region	Order
ICD-9 Code: <input type="text"/>	<a href="#">ICD9 Lookup</a>			AIS 05 Code: <input type="text"/>	<a href="#">AIS Lookup</a>	

[Add Diagnosis](#) [Save Order](#)

**Injury-Related Scores**

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	0	0	0
Manual	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Age: 27 RTS: 7.8408  
 ⓘ Probability of Survival: 99.5% \*  
 ⓘ Manual Probability of Survival: 99.5% \*  
 ⓘ New Injury Severity Score: 0  
 \* NISS is based on the diagnosis list entered above.

[Back](#) [Save](#) [Save and Continue](#)

You know you are on the “Diagnosis” tab when the tab is highlighted. The information on the screen should be the same as what you see here.

# Diagnosis Screen – ICD-9 Code

The screenshot shows the 'Diagnosis Screen' in the ImageTrend Patient Registry. The top navigation bar includes 'Facilities', 'Data Exchange', 'Report Writer', and 'More'. The user is logged in as 'Katherine Gatz'. The main menu has tabs for 'Dashboard', 'Incidents', 'Staff', 'Users', and 'Setup'. The 'Incidents' tab is active, showing a list of incidents. The selected incident is 'IT-130926-205' under the 'Indiana Trauma Form'. The incident details show 'Validity: 99%', 'Status: In Progress', 'Lock: Unlocked', 'Import Status: Typed In', and 'Entered: 09/26/13 by Katie Gatz'. The 'Diagnosis List' section contains a table with columns for 'ICD-9 Code', 'Diagnosis Name', 'AIS Code', 'AIS Description', 'AIS Version', 'ISS Region', and 'Order'. Below the table are 'Add Diagnosis' and 'Save Order' buttons. The 'Injury-Related Scores' section shows 'AIS Based Injury Severity Scores by Diagnosis' with a table for 'ISS Region' (Head, Face, Chest, Abdomen, Extremity, External, ISS) and 'Calculated' scores. It also displays 'Probability of Survival: 99.5%' and 'Manual Probability of Survival: 99.5%'. The bottom of the screen has 'Back', 'Save', and 'Save and Continue' buttons.

**Incident Details:**

- Incident: IT-130926-205
- Validity: 99%
- Status: In Progress
- Lock: Unlocked
- Import Status: Typed In
- Entered: 09/26/13 by Katie Gatz
- Trauma Registry #: IT-130926-205
- Patient: Smith, JoBeth L
- Medical Record Number: test
- NTR Inclusion: Yes
- Updated: 10/25/13 by Katherine Gatz

**Diagnosis List**

ICD-9 Code	Diagnosis Name	AIS Code	AIS Description	AIS Version	ISS Region	Order
ICD-9 Code: <input type="text"/>	<input type="button" value="ICD9 Lookup"/>			AIS 05 Code: <input type="text"/>	<input type="button" value="AIS Lookup"/>	

**Injury-Related Scores**

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	0	0	0
Manual	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	0

Age: 27 RTS: 7.8408

Probability of Survival: 99.5%

Manual Probability of Survival: 99.5%

New Injury Severity Score: 0

\* NISS is based on the diagnosis list entered above.

The “ICD-9 Code (Injury Diagnosis)” element (TR21.1) is defined as “the diagnoses related to all identified injuries”. This is a National Data Element.

The “ICD9 Lookup” function helps the user find an ICD-9 Code.

# Diagnosis Screen – ICD-9 Diagnosis Code Lookup

11-130926-205 ICD-9 Code Lookup - Diagnosis

Diagnosis - ICD-9 Code Lookup

Search By Code | Browse By Category | **Top Selected Codes** | ICD-9 MATCH

Click the below to view a detailed description. Click on a description to insert the ICD-9 code into the underlying form.

Code	Description	Frequency
959.01	Head Injury Unspec	942
820.21	Intertrochanteric Fx Closed	835
820.8	Fx Neck Femur Unspec Closed	734
920	Contusion Face/scalp/nck	725
873.0	Open Wound Scalp	554
820.09	Fx Femur Intrcaps Oth	376
805.4	Fx Lumbar Vertebra Closed	363
873.42	Open Wound Forehead	327
808.2	Fx Pubis Closed	317
805.2	Fx Dorsal Vertebra Closed	299
861.21	Lung Contusion Closed	286
922.1	Contusion Chest Wall	275
847.0	Sprain Neck	264
802.0	Nasal Bone Fx Closed	237
959.09	Injury Face/neck	236
860.0	Traumat Pneumothorax Close	222

Close

The “ICD9 Lookup” function allows you to: 1) Search by code 2) Browse by Category 3) Choose from the Top Selected Codes or 4) ICD-9 Match

When you click on “Top Selected Codes”, you see a list of the most frequent ICD-9 Codes used in the Indiana Patient Registry that can help you find the ICD-9 Code you are looking for.

# Diagnosis Screen – ICD-9 Diagnosis Code Lookup (2)

ICD-9 Code Lookup - Diagnosis

Diagnosis - ICD-9 Code Lookup

Search By Code | Browse By Category | Top Selected Codes | ICD-9 MATCH

To search for an ICD-9 code, enter as much information as known and click on the "Search" button. Click on the code desired to populate the underlying form. To search manually, click the "Browse" button below.

**Search By Code**

ICD-9 Code:

Code Type: Injury

Description: contains any

When you click on "Search by Code" they can type in key words if part of the code is known to help you find the ICD-9 Code you are looking for.

# Diagnosis Screen – ICD-9 Diagnosis Code Lookup (3)

11-130926-205

ICD-9 Code Lookup - Diagnosis

Diagnosis - ICD-9 Code Lookup

Search By Code | Browse By Category | Top Selected Codes | ICD-9 MATCH

To search for an ICD-9 code, select the corresponding information from the cascading drop down boxes until the submit button appears on the bottom of the form. Click "Submit" to populate the underlying form.

ICD-9 Diagnosis

Injury And Poisoning

-- Please Select --

Clear Close

When you click on "Browse by Category", you can select from a series of drop-down menus until you find the ICD-9 Code you are looking for. You should use this search function if you are familiar with the ICD-9 book.

# Diagnosis Screen – ICD-9 Diagnosis Code Lookup (4)

ICD-9 Code Lookup - Diagnosis

Diagnosis - ICD-9 Code Lookup

Search By Code | Browse By Category | Top Selected Codes | ICD-9 MATCH

Click the [icon] below to view a detailed description. Click on a description to insert the ICD-9 code into the underlying form.

Code	Description
⚠ No ICD-9 Code found for that criteria.	

1-0 of 0

Close

When you click on “ICD-9 Match”, if you have entered an AIS code but do not know the ICD-9 Code, this tab will help you find the ICD-9 Code you are looking for.

# Diagnosis Screen – Diagnosis List

Demographics

Injury

Pre-Hospital

ED / Acute Care

Initial Assessment

Diagnoses

Comorbidity

Procedures

Complications

Outcome Information

▼ Edit Incident » Indiana Trauma Form » IT-130926-205

Mark As Completed

Validity: 99%

Status: In Progress

Locks: Unlocked

Import Status: Typed In

Entered: 09/26/13 by Katie Gatz

Trauma Registry #: IT-130926-205

Patient: Smith, JoBeth L

Medical Record Number: test

NTR Inclusion: Yes

Updated: 10/25/13 by Katherine Gatz

Diagnosis List

ICD-9 Code	Diagnosis Name	AIS Code	AIS Description	AIS Version	ISS Region	Order
ICD-9 Code: 817.1	ICD9 Lookup			AIS 05 Code: 752001.2	AIS Lookup	

Add DiagnosisSave Order

Injury-Related Scores

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	0	0	0
Manual							0

Age: 27    RTS: 7.8408

Probability of Survival: 99.5%

Manual Probability of Survival: 99.5%

New Injury Severity Score: 0

\* NISS is based on the diagnosis list entered above.

Back

Save

Save and Continue

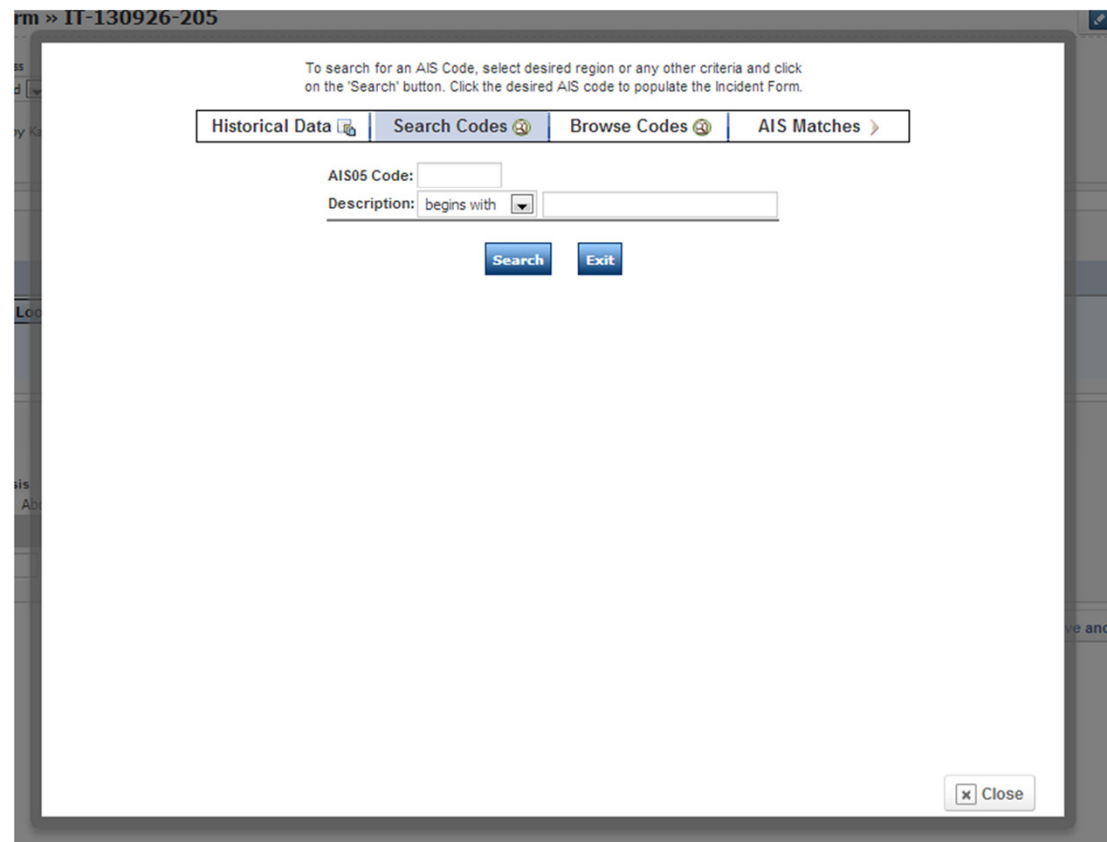
Once you have entered the ICD-9 diagnosis code, you will need to save it by clicking on the “Add Diagnosis” button. If the “Automatic AIS Code” feature is turned on, an AIS 05 Code may automatically appear once the ICD-9 code is entered.

The “AIS 05 Code” element (TR21.22) is defined as “the Abbreviated Injury Scale predot codes that reflect the patient’s injuries”. AIS Codes are used to auto-generate additional calculated fields: Abbreviated Injury Scale (6 body regions), Injury Severity Score, Probability of Survival, and the New Injury Severity Score. Probability of Survival score will not appear if the patient’s age, vitals, and injury are entered. This is an optional national Data Element.

The “AIS Lookup” function helps you find an AIS Code.



# Diagnosis Screen – AIS Code Lookup







The screenshot shows a web-based interface for AIS Code Lookup. At the top, there is a title bar that reads "rm >> IF-130926-205". Below this, a message states: "To search for an AIS Code, select desired region or any other criteria and click on the 'Search' button. Click the desired AIS code to populate the Incident Form." The interface features four tabs: "Historical Data" (with a magnifying glass icon), "Search Codes" (with a magnifying glass icon), "Browse Codes" (with a magnifying glass icon), and "AIS Matches" (with a right-pointing arrow icon). The "Search Codes" tab is currently selected. Below the tabs, there are two input fields: "AIS05 Code:" followed by a text box, and "Description:" followed by a dropdown menu showing "begins with" and an empty text box. Below these fields are two buttons: "Search" and "Exit". In the bottom right corner of the window, there is a "Close" button with a small 'x' icon.



The “AIS Lookup” function allows you to: 1) look at Historical Data 2) Search Codes 3) Browse Codes or 4) AIS Matches

When you click on “Search Codes”, you can type in key words to help you find the AIS Code you are looking for.


## Diagnosis Screen – AIS Code Lookup (2)

Below are AIS Codes previously used for the ICD-9 Code specified in the incident form. Click the desired AIS code to populate the Incident Form.

Historical Data  Search Codes  Browse Codes  AIS Matches 

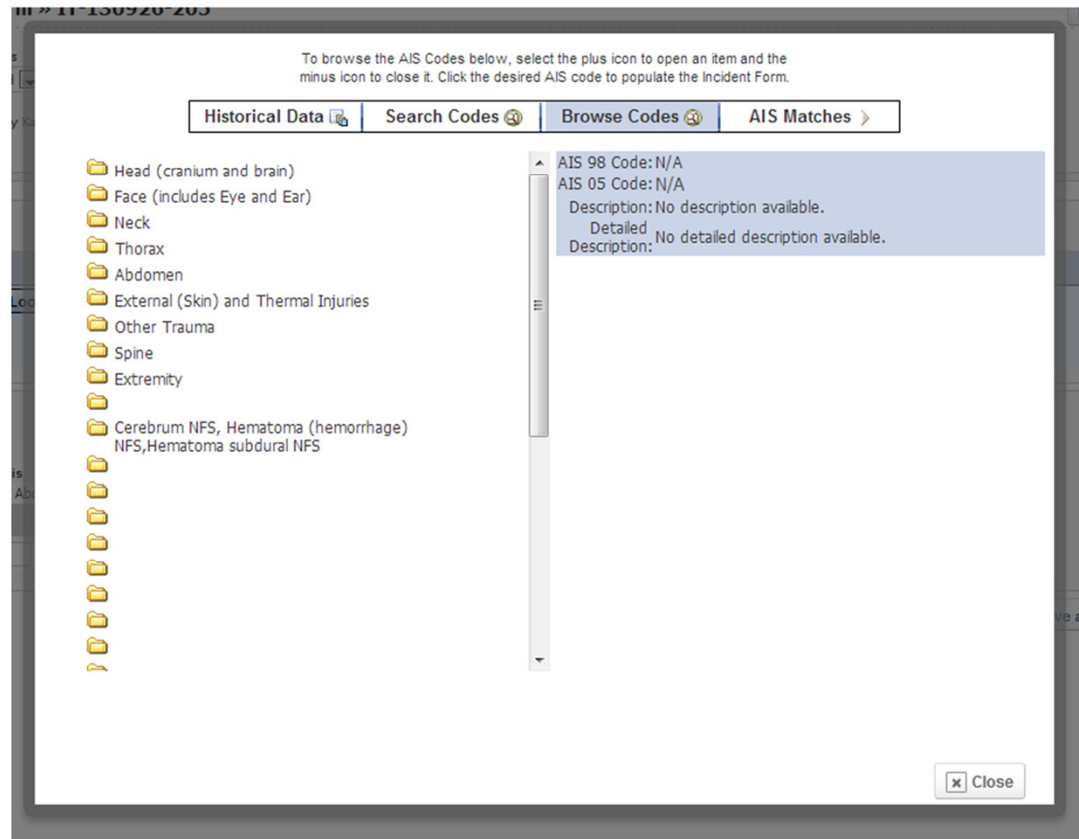
AIS 05	Frequency	Description
 752001.2	4	Hand fracture NFS, open
 752501.2	1	Metacarpus fracture NFS, open

2 Record(s)



When you click on “Historical Data”, you can look at AIS codes used previously for the ICD-9 Codes you entered in the incident form.





## Diagnosis Screen – AIS Code Lookup (3)



When you click on "Browse Codes", you can select from a series of folders organized by body region until you find the AIS Code you are looking for.


## Diagnosis Screen – AIS Code Lookup (4)

Below are AIS Codes that are possible match to the ICD-9 Code specified in the incident form. Click the desired AIS code to populate the Incident Form.

Historical Data  Search Codes  Browse Codes  AIS Matches 

AIS 05	Description
<input checked="" type="checkbox"/> 752000.2	Hand fracture NFS
<input checked="" type="checkbox"/> 752001.2	Hand fracture NFS, open
<input checked="" type="checkbox"/> 752400.2	Carpus fracture NFS
<input checked="" type="checkbox"/> 752401.2	Carpus fracture NFS, open
<input checked="" type="checkbox"/> 752451.2	Carpus fracture NFS, scaphoid only
<input checked="" type="checkbox"/> 752452.2	Carpus fracture NFS, scaphoid only, open
<input checked="" type="checkbox"/> 752461.2	Carpus fracture NFS, bone other than scaphoid
<input checked="" type="checkbox"/> 752462.2	Carpus fracture NFS, bone other than scaphoid, open
<input checked="" type="checkbox"/> 752471.2	Carpus fracture NFS, >=2 carpal bones
<input checked="" type="checkbox"/> 752472.2	Carpus fracture NFS, >=2 carpal bones, open
<input checked="" type="checkbox"/> 752500.2	Metacarpus fracture NFS
<input checked="" type="checkbox"/> 752501.2	Metacarpus fracture NFS, open
<input checked="" type="checkbox"/> 752511.2	Metacarpus fracture NFS, Thumb
<input checked="" type="checkbox"/> 752512.2	Metacarpus fracture NFS, Thumb, open
<input checked="" type="checkbox"/> 752521.2	Metacarpus fracture NFS, One of Lateral Four Fingers
<input checked="" type="checkbox"/> 752522.2	Metacarpus fracture NFS, One of Lateral Four Fingers, open
<input checked="" type="checkbox"/> 752551.2	Metacarpus fracture NFS, Thumb, extra-articular or shaft
<input checked="" type="checkbox"/> 752552.2	Metacarpus fracture NFS, Thumb, extra-articular or shaft, open
<input checked="" type="checkbox"/> 752553.2	Metacarpus fracture NFS, One of Lateral Four Fingers, extra-articular or shaft

46 records



When you click on “AIS Matches”, if you have entered an ICD-9 Code but do not know the AIS Code, this tab will help you find the AIS Code you are looking for.

## Diagnosis Screen – Add Diagnosis (2)

Demographics

Injury

Pre-Hospital

ED / Acute Care

Initial Assessment

Diagnoses

Comorbidity

Procedures

Complications

Outcome Information

▼ Edit Incident » Indiana Trauma Form » IT-130926-205

Mark As Completed

Validity: 99%

Status: In Progress

Lock: Unlocked

Import Status: Typed In

Entered: 09/26/13 by Katie Gatz

Trauma Registry #: IT-130926-205

Patient: Smith, JoBeth L

Medical Record Number: test

NTR Inclusion: Yes

Updated: 10/25/13 by Katherine Gatz

Diagnosis List

ICD-9 Code	Diagnosis Name	AIS Code	AIS Description	AIS Version	ISS Region	Order
ICD-9 Code: 817.1	ICD9 Lookup			AIS 05 Code: 752001.2	AIS Lookup	

Add Diagnosis Save Order

Injury-Related Scores

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	0	0	0
Manual							0

Age: 27    RTS: 7.8408

Probability of Survival: 99.5%

Manual Probability of Survival: 99.5%

New Injury Severity Score: 0

\* NISS is based on the diagnosis list entered above.

Back

Save

Save and Continue

Once you have entered the AIS Code, you will need to save it by clicking on the “Add Diagnosis” button.

## Diagnosis Screen – Diagnosis List (2)

▼ Edit Incident » Indiana Trauma Form » IT-130926-205

Validity: 99%  
Status: In Progress  
Lock: Unlocked  
Import Status: Typed In  
Entered: 09/26/13 by Katie Gatz

Trauma Registry #: IT-130926-205  
Patient: Smith, JoBeth L.  
Medical Record Number: test  
NTR Inclusion: Yes  
Updated: 10/25/13 by Katherine Gatz

Mark As Completed

Diagnosis List

ICD-9 Code	Diagnosis Name	AIS Code	AIS Description	AIS Version	ISS Region	Order
817.1	Multiple Fx Hand Open	752001.2	Hand fracture NFS, open	05	Extremity	1
822.0	Fx Patella Closed	854500.2	Patella fracture NFS	05	Extremity	2

ICD-9 Code:  ICD9 Lookup AIS 05 Code:  AIS Lookup

Add Diagnosis Save Order

Injury-Related Scores

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	2	0	4
Manual	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Age: 27 RTS: 7.8408  
Probability of Survival: 99.3%  
Manual Probability of Survival: 99.5%  
New Injury Severity Score: 8  
\* NISS is based on the diagnosis list entered above.

Back Save Save and Continue

Once you have entered multiple ICD-9 Codes, you can change the order of the ICD-9 Codes by clicking and dragging the black arrows on the left-hand side of the screen. The clipboard and pencil icon allows you to edit ICD-9 Codes.

Delete the ICD-9 Codes by clicking on the red X Icon on the right-hand side of the screen.

# Diagnosis Screen – Injury-Related Scores

▼ Edit Incident » Indiana Trauma Form » IT-130926-205

Mark As Completed

Validity: 99%  
Status: In Progress  
Lock: Unlocked  
Import Status: Typed In  
Entered: 09/26/13 by Katie Gatz

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822.0	Fx Patella Closed	854500.2	Patella fracture NFS	05	Extremity	2

ICD-9 Code:  ICD9 Lookup
AIS 05 Code:  AIS Lookup

Add Diagnosis Save Order

Injury-Related Scores

AIS Based Injury Severity Scores by Diagnosis

ISS Region	Head	Face	Chest	Abdomen	Extremity	External	ISS
Calculated	0	0	0	0	2	0	4
Manual	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Age: 27    RTS: 7.8408  
Probability of Survival: 99.3%  
Manual Probability of Survival: 99.5%  
New Injury Severity Score: 8  
\* NISS is based on the diagnosis list entered above.

Back Save Save and Continue

Utilize the “Injury Related Scores” manual fields only if the AIS severity codes do not properly reflect the patient’s injuries. Values on a scale of 1-6 should be used, with 1 being Minor Injury and 6 being Maximum Injury (Virtually Unsurvivable).

Click the “Save and Continue” button to save the information just entered and to continue to the next tab. Clicking the “Save” button will save the information, but you will not progress to the next tab.